

Message Text

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TAGS: TSPA, UR

SUBJECT: SPACE AGREEMENT: SPACE BIOLOGY AND MEDICINE
(04.05.02) RADIATION DOSIMETRY EXPERIMENT

FOR SCICOUN

1. PLEASE PASS THE FOLLOWING MESSAGE FROM DR. WINTER TO
DR. GUROVSKY WITH COPY TO INTERCOSMOS.

2. MARCH 8, 1978 04.05.02

DR. NIKOLAI N. GUROVSKY
CHAIRMAN OF THE SOVIET WORKING GROUP
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ON SPACE BIOLOGY AND MEDICINE
CHIEF OF THE DEPARTMENT OF SPACE
BIOLOGY AND MEDICINE
THIRD MAIN ADMINISTRATION
USSR MINISTRY OF HEALTH
MOSCOW, USSR

DEAR DR. GUROVSKY:

IN ACCORDANCE WITH ATTACHMENT 5 OF THE SUMMARY REPORT OF
TECHNICAL DISCUSSIONS OF JULY 6, 1977, THE U.S. AND SOVIET

SIDES EXCHANGED PLASTIC NUCLEAR TRACK DETECTORS (JULY AND
AUGUST, 1977) FOR CALIBRATION STUDIES, AND SOVIET NUCLEAR
EMULSIONS WERE BROUGHT BACK TO THE U.S., IRRADIATED
(JULY 1977) AND RETURNED TO THE USSR (AUGUST 1977).

THESE CALIBRATION EMULSIONS, ALONG WITH THE SOVIET EMUL-
SIONS FROM THE JOINT PART OF THE FLIGHT EXPERIMENT, WERE
TO BE DEVELOPED IN THE USSR, AND HALF OF THE DEVELOPED
EMULSIONS OF EACH TYPE WERE TO BE RETURNED TO THE U.S.
WE HAVE NOT YET RECEIVED THIS MATERIAL. IT IS ESPECIALLY
IMPORTANT THAT WE RECEIVE THE DEVELOPED KOSMOS-936 FLIGHT
EMULSIONS AS SOON AS POSSIBLE IN ORDER TO HAVE TIME TO
INCLUDE THEIR ANALYSIS IN THE K206 FINAL REPORT. I WOULD
APPRECIATE YOUR ASSISTANCE IN EXPEDITING A SHIPMENT OF
THIS MATERIAL.

IN NOVEMBER 1977, ALL SOVIET PLASTIC DETECTORS RECEIVED AS
OF THAT DATE WERE IRRADIATED AT BERKELEY. U.S. INVESTI-
GATORS NOW EXPECT ADDITIONAL OPPORTUNITIES FOR ACCELERATOR
EXPOSURES IN MARCH AND APRIL 1978, INCLUDING THE POSSI-
BILITY OF EXPOSURE TO A HIGH ENERGY IRON BEAM. IN
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ORDER TO TAKE ADVANTAGE OF THESE OPPORTUNITIES, THE
ADDITIONAL SOVIET PLASTIC DETECTORS AND NUCLEAR EMULSIONS
SHOULD BE SENT TO THE U.S. AS SOON AS POSSIBLE, AND
CERTAINLY BY THE END OF MARCH. THE QUANTITIES AND TYPES
OF THESE DETECTORS WERE DISCUSSED BY DR. E. E. KOVALEV AND
DR. E. V. BENTON AT THE INFORMAL SCIENTIFIC TALKS IN
AUGUST 1977.

PLEASE SEND THE ADDITIONAL PLASTICS AND EMULSIONS, ALONG
WITH THE CALIBRATION EMULSIONS AND FLIGHT EMULSIONS, TO
NASA/AMES RESEARCH CENTER, ATTENTION MR. KENNETH A. SOUZA.
PLEASE ADVISE US AS SOON AS POSSIBLE WHAT MATERIALS YOU
WILL BE SENDING AND AN ESTIMATED DATE OF SHIPMENT.

WE WOULD ALSO LIKE TO KNOW THE STATUS OF IRRADIATION OF
U.S. PLASTIC DETECTORS. IF IRRADIATION OF THE U.S.
MATERIAL AT DUBNA HAS BEEN ACCOMPLISHED, PLEASE INCLUDE
THESE ITEMS IN THE SHIPMENT TO AMES SO THAT WE MAY BEGIN
OUR ANALYSIS. IN ADDITION, WE WOULD LIKE TO KNOW WHEN
WE MIGHT EXPECT TO RECEIVE EMULSION CHAMBERS FOR USE IN THE
CALIBRATION STUDY.

IT WOULD BE HELPFUL IN OUR PLANNING OF THE US EXPERIMENT
PROPOSALS FOR THE 1980 BIOSATELLITES, AS AGREED IN
NOVEMBER 1977, TO KNOW WHETHER YOU PLAN TO FLY A DOSIMETRY
SHIELDING EXPERIMENT.

I LOOK FORWARD TO YOUR REPLY.

BEST REGARDS,

DAVID L. WINTER, M.D.
NASA DIRECTOR FOR LIFE SCIENCES

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